

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Previously Presented) A method of manufacturing integrated circuit media of the contactless type that has functional elements comprising an electronic chip connected to a winding that functions as an antenna, and a body comprising a covering layer on at least one side of said functional elements, said method comprising the steps of providing said functional elements on a support sheet, and extruding said covering layer immediately in contact with said support sheet.

2. (Previously Presented) A method according to Claim 1, wherein said support sheet is a conductive grille in which said winding is formed.

3. (Previously Presented) A method according to Claim 1 wherein said extruding step comprises passing said support sheet containing said functional elements through a die for extruding said covering layer.

4. (Previously Presented) A method according to Claim 3, wherein said support sheet, provided with said functional elements, is packaged in the form of a coil to be unwound continuously during the extrusion step.

5. (Previously Presented) A method according to Claim 4, further including the step, following the extrusion step and after cooling, of cutting said media to the final format for products to be obtained while said support sheet is moving along a manufacturing line.

6. (Previously Presented) A method according to Claim 5, wherein the step of cutting the products to the final format includes a prior positioning phase that includes detection of said functional means through the covering layer material.

7. (Previously Presented) A method according to Claim 4 further including the step, following the extrusion step, of depositing a printed film on the front and/or rear face of the products to be obtained while said support sheet is moving along a manufacturing line.

8. (Previously Presented) A method according to claim 3 wherein said support sheet comprises a film of dielectric material.

9. (Previously Presented) A method according to Claim 8, wherein said covering layer comprises bottom and top layers for covering the dielectric film, which forms a central core between the two layers, and wherein said central core has one or more openings so that said bottom and top layers are coextruded whilst being joined to each other in a monolithic fashion.

10. (Previously Presented) A method according to Claim 8 further including the step, prior to the step of extruding the layers, of producing a winding with antenna and supply coil functions for the chip by metallisation on the dielectric material.

11. (Currently Amended) A method according to Claim 10, wherein the chip is bonded to said dielectric film, and ~~its~~ has contacts that are connected to two wires for connection to said winding, and the entirety of the chip and ~~its~~ said connection wires are embedded in a drop of resin.

12. (Previously Presented) A method according to Claim 11, wherein the two operations of producing the winding and of mounting the chip are carried out continuously on a film packaged as a coil to be unwound continuously during said extrusion.

13. (Cancelled)

14. (Presently Presented) An integrated circuit medium of the contactless type, having a central sheet for supporting functional elements, and bottom and top layers, wherein said support sheet has at least one opening through which the bottom and top layers are joined, the material of the bottom and top layers having, with the material situated in said opening, at least a homogeneous molecular continuity constituting one and the same material, said bottom and top layers being obtained by extrusion.

15. (Presently Presented) The integrated circuit medium of claim 14, wherein one of said functional elements comprises a winding that forms an antenna, and wherein said opening is disposed within the interior of said winding.

16. (New) A method of manufacturing contactless integrated circuit media, comprising the following steps:

disposing an electronic chip and an antenna on a core substrate;

feeding said core substrate with said chip and said antenna through an extrusion die; and

extruding a flowable material directly onto opposite sides of the core substrate containing said chip and antenna by means of a sheet extrusion technique to thereby form top and bottom layers of said media.

17. (New) The method of claim 16 wherein said core substrate contains an internal opening and, during said extruding step, said material fills said opening to thereby join the top and bottom layers in a monolithic construction.

18. (New) The method of claim 17 wherein said antenna is formed by a winding, and said opening is disposed within the interior of said winding.